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**U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT**

I. HEADING

DATE: December 19, 2002

SUBJECT: **POLREP 34** Industrial Highway/Conservation Chemical Site, Gary, Lake County, IN

FROM: Steve Faryan, OSC, U.S. EPA, Region 5, ERB, RS1, Chicago, IL

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II. BACKGROUND

CERCLA Site No: Z590
CERCLIS ID Number: IND040888992
Delivery Order Number: 3141-25
Response Authority: OPA/CERCLA
OPA ID Number: FPN#: 098022
Account Number: 90
NPL Status: Not on NPL
IDEM Notification: Yes
Start Date: Sept 1998
Completion Date: Pending

III. SITE INFORMATION

A. See POLREP 1-33 for previous U.S. EPA removal actions.

IV. RESPONSE INFORMATION

A. Situation

1. Planned Activities:

EQM has completed backfilling pipe trench from the extraction wells to the water treatment building. Pumps and well boxes are being installed at the extraction wells. Electrical wiring for the pumps is being hooked up to the water treatment building. EQM will excavate trench and install piping from effluents side of the water treatment building to the infiltration gallery.

Results for the soil bench test using fly ash and kiln dust has been received. The 15% lime kiln dust mixture was successful in reducing TCLP concentrations below .5mg/l for lead. The lime kiln dust will be procured from OMNI materials. Soil fixation will begin after the holidays (Jan 6).

2. **Completed activities:**

Friday, December 13, 2002, Circle Electric continued electrical wiring and HVAC installation in treatment building. ERRS continued backfilling pipe trench with sand along extraction wells.

Monday, December 16, 2002, Continental Electric began making electrical connections outside the treatment building. ERRS continued backfilling pipe trench with sand along extraction wells. Analytical results from bench test of soil stabilization material with lime kiln dust and fly ash were received and indicate that a 15 percent mixture of lime kiln dust with site soil will reduce TCLP lead concentrations to acceptable levels (below .5 mg/L).

Tuesday, December 17, 2002, ERRS continued backfilling pipe trench with sand along extraction wells, placed well vaults at the extraction wells, and placed the control panel in the treatment building.

Wednesday, December 18, 2002, ERRS continued backfilling pipe trench and placed oil storage tank on pad next to treatment building. Circle R continued electrical wiring and HVAC installation in treatment building. The 5,000 gallon oil tank was set on the outside pad using a 4-Wheel Drive Fork Lift.

Thursday, December 19, 2002: EQM began setting well vaults over the recovery well locations. Electrical hook up continued inside the building. Electrical hook-ups for the treatment system continued. EQM engineer was on-site to develop plumbing and electrical take offs.

3. **Enforcement:**
Refer to Action Memorandum

B. **Next Steps**

A 15% Lime kiln dust mixture will be utilized to chemically fixate the excavated soil which failed TCLP for lead.

Disposal at Allied Waste has been approved once fixation and confirmation sampling is completed.

EQM will set well vaults, install pumps in wells, and excavate pipe trench and install piping from water treatment building to the infiltration gallery.

Hook up control panel, pumps, switches, sensors and plumbing for the Treatment System.

Fire up the Treatment System, Shakedown and Operation.

C. **Key Issues**

Once the treatment systems are up and operational, U.S. EPA will operate the collection of oil for 3 years. At that time the Gary Chicago Airport will have to assess whether they will continue operation of the oil collection systems.

V. COST INFORMATION (estimated as of December 13, 2002)

A	CERCLA Funding(Conservation Chemical)	
	<u>Total Cost To Date</u>	<u>Ceiling</u>
	ERRS \$ 437,232.25	\$ 690,000.00
B.	OPA Funding (Industrial Highway)	
	<u>Total Cost To Date</u>	<u>Ceiling</u>
	ERRS \$ 1,189,421.34	\$ 1,240,000.00
	START \$ 22,553.61	\$ 32,000.00
	Total \$ 1,211,974.95	\$ 1,272,000.00

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI. Waste Disposal

No waste has been disposed of as of December 18, 2002 ;

Disposal of treated soil, debris, and Personnel Protective Equipment has been approved at Allied Waste in Newton County Indiana.